

Fig. 1

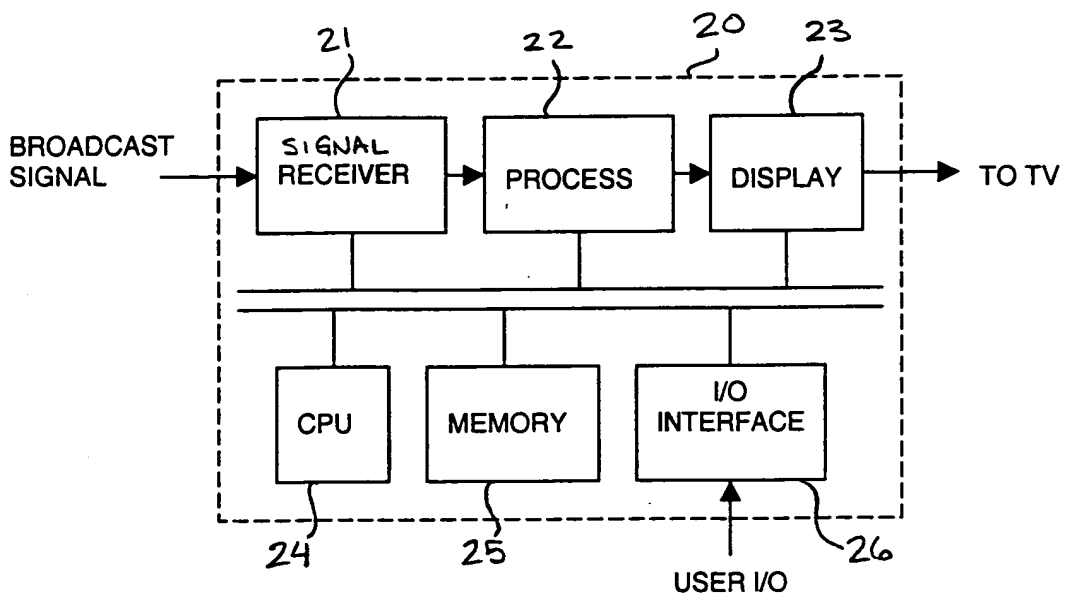


Fig. 2

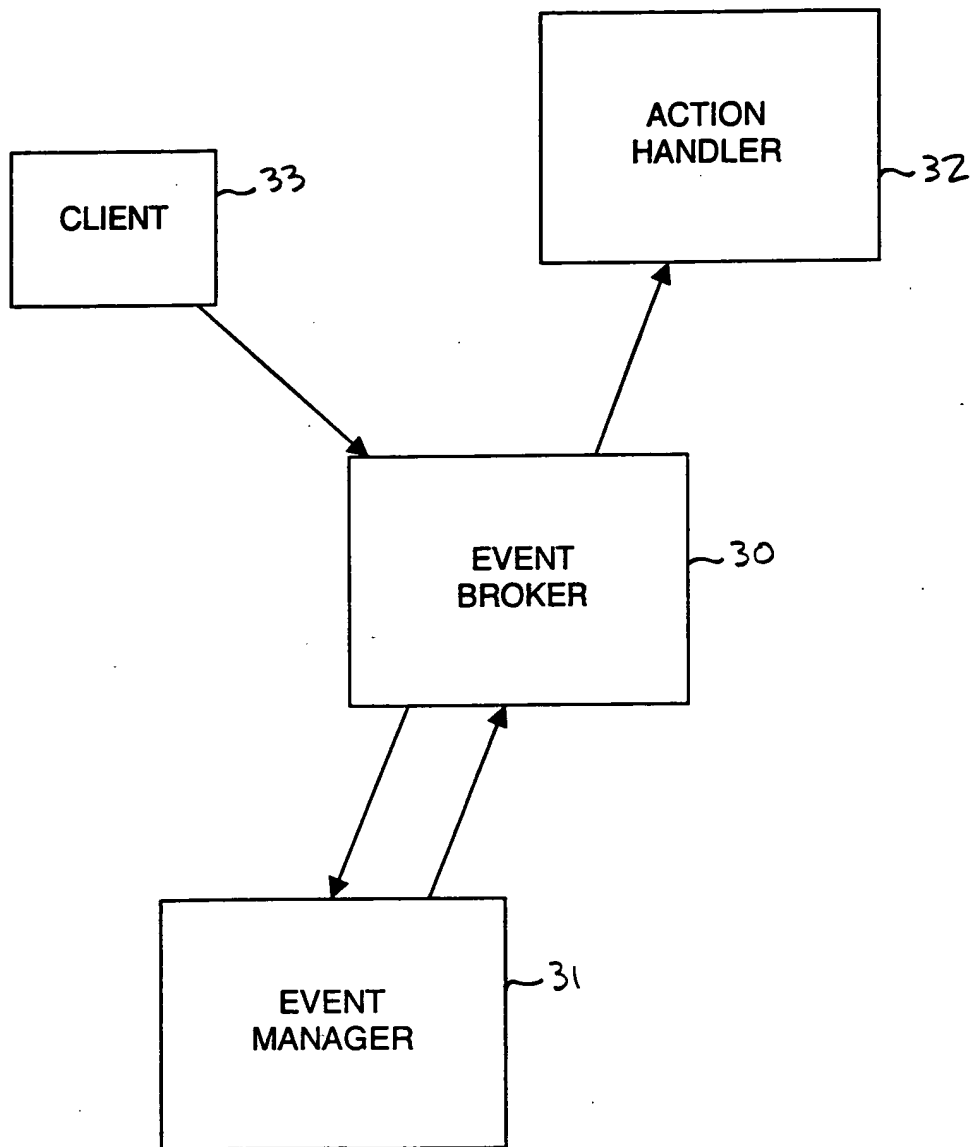


Fig. 3

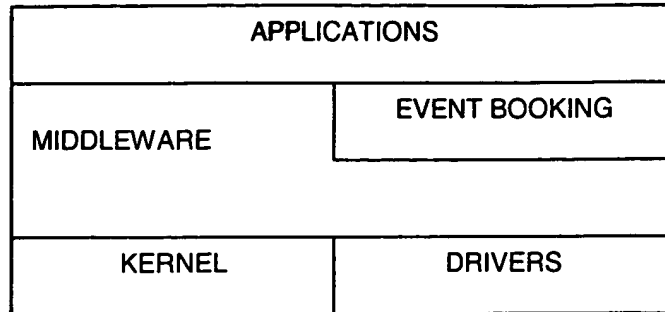


Fig. 4

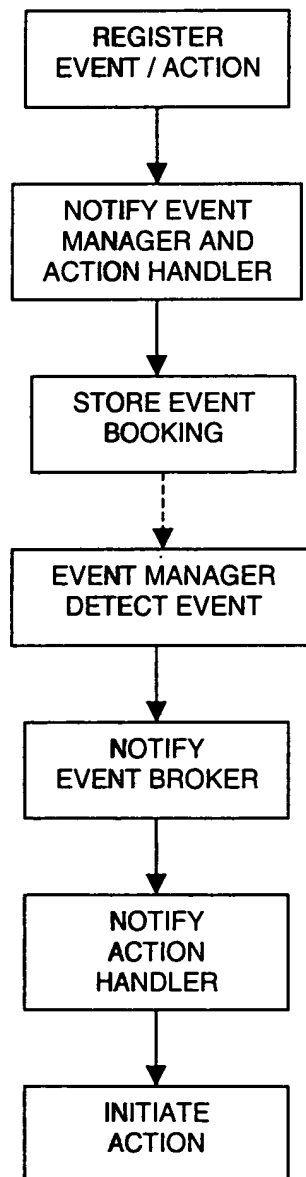


Fig. 5

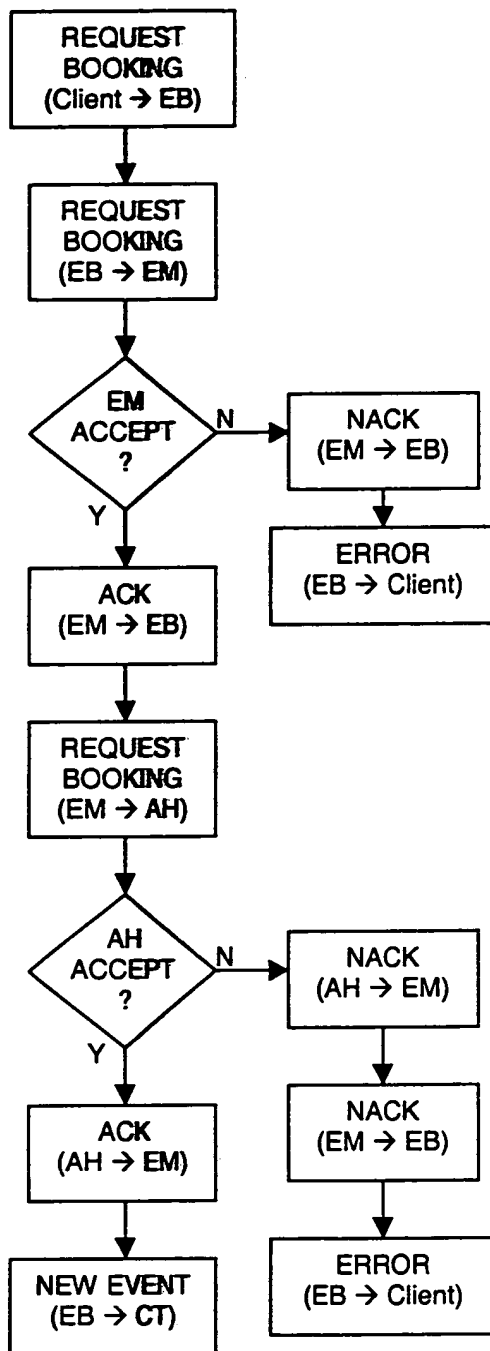


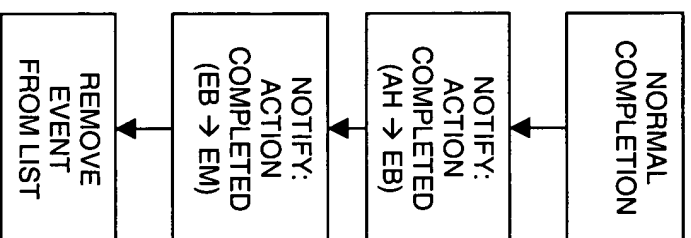
Fig. 6

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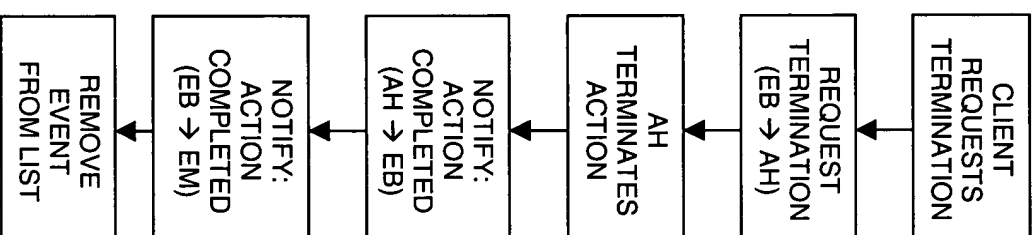
graph TD
    Start([NOTIFY OF EVENT  
(EM → EB)]) --> RC{RESOURCE  
CONFLICT  
?}
    RC -- N --> RST[REQUEST TO START  
(EB → EM)]
    RC -- Y --> HP{HIGHEST  
PRIORITY  
?}
    HP -- N --> ND[NOTIFY OF DELAY  
(EB → EM)]
    HP -- Y --> RS[REQUEST TO  
SUPERSEDE  
(EB → AH)]
    RS --> AH1{AH  
ACCEPT  
?}
    AH1 -- N --> ND
    AH1 -- Y --> RST
    RST --> EM1{EM  
ACCEPT  
?}
    EM1 -- N --> AI[ACTION  
IDLE]
    EM1 -- Y --> RST2[REQUEST TO START  
(EB → AH)]
    RST2 --> AH2{AH  
ACCEPT  
?}
    AH2 -- N --> NA[NOTIFY OF ABORT  
(EB → EM)]
    AH2 -- Y --> AH3[AH  
INITIATE  
ACTION]
    AH3 --> ACK[ACK  
(AH → EB)]
    ACK --> Start
    ND --> PAT{PENDING  
ACTION  
TERMINATED}
    PAT -- N --> ND
    PAT -- Y --> Start

```

Fig. 7



**Fig. 8**



**Fig. 9**